

1 / 32

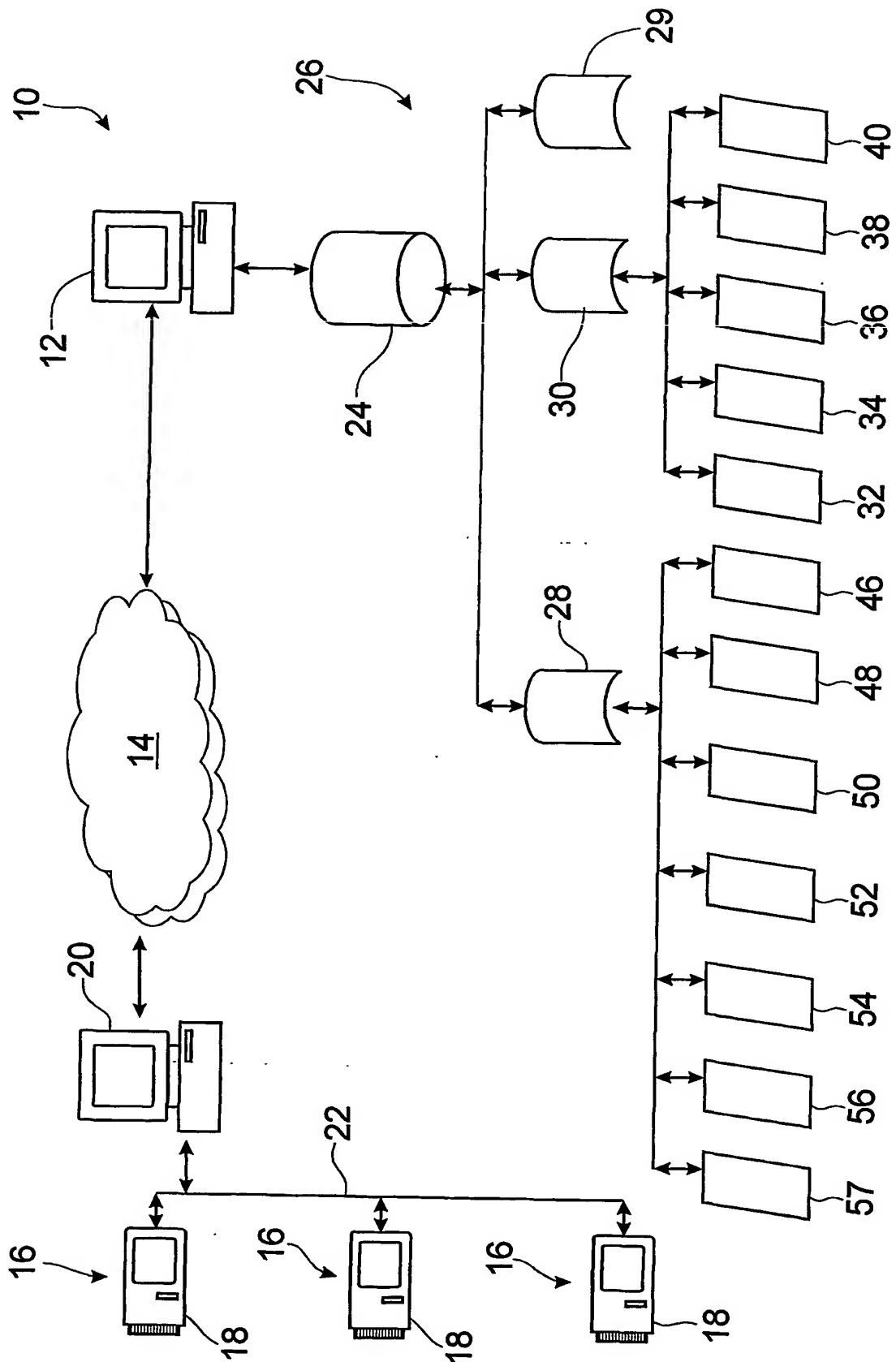


FIG. 1

2 / 32

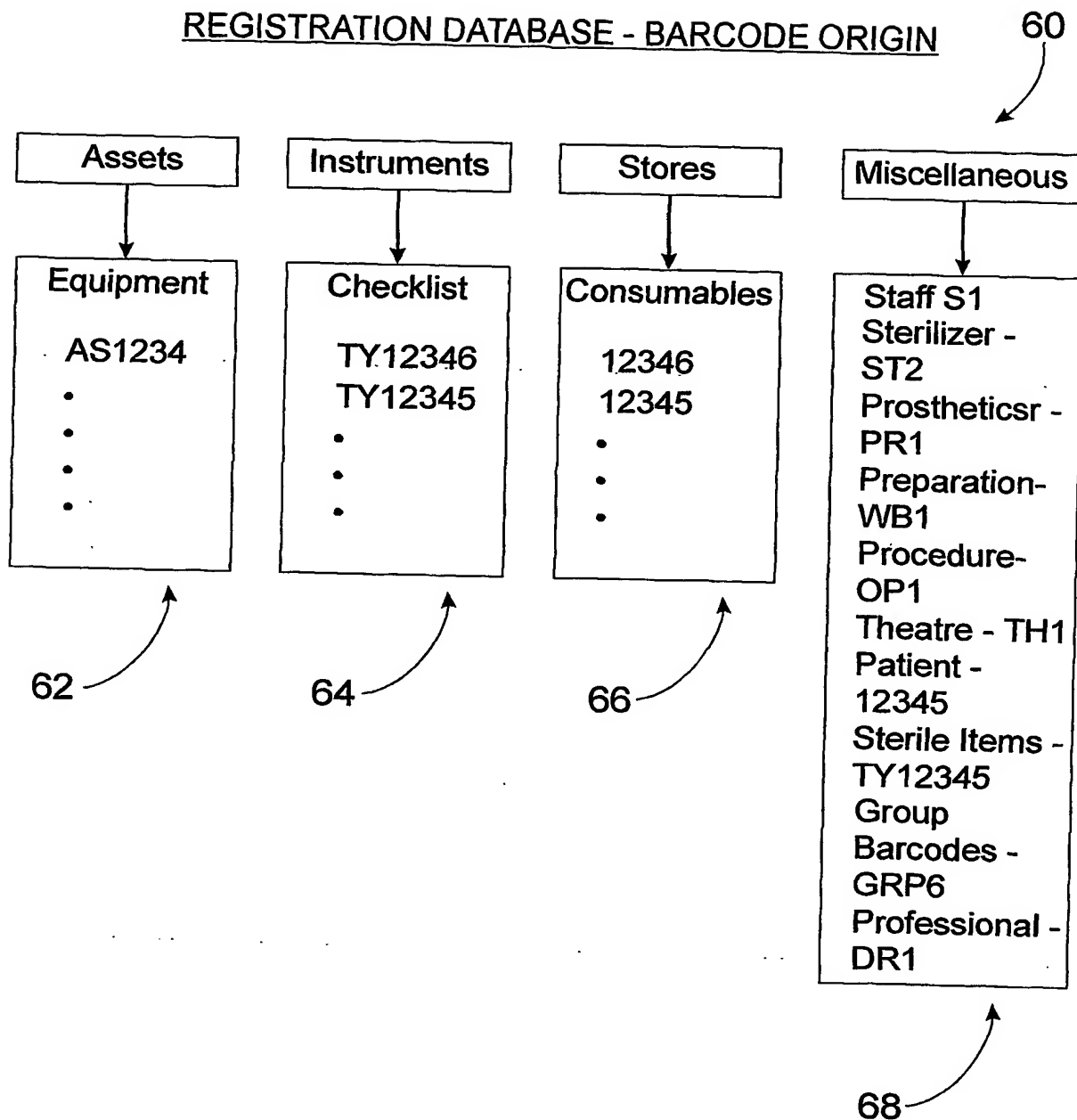


Fig. 2

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Procedure Preparation Scanner

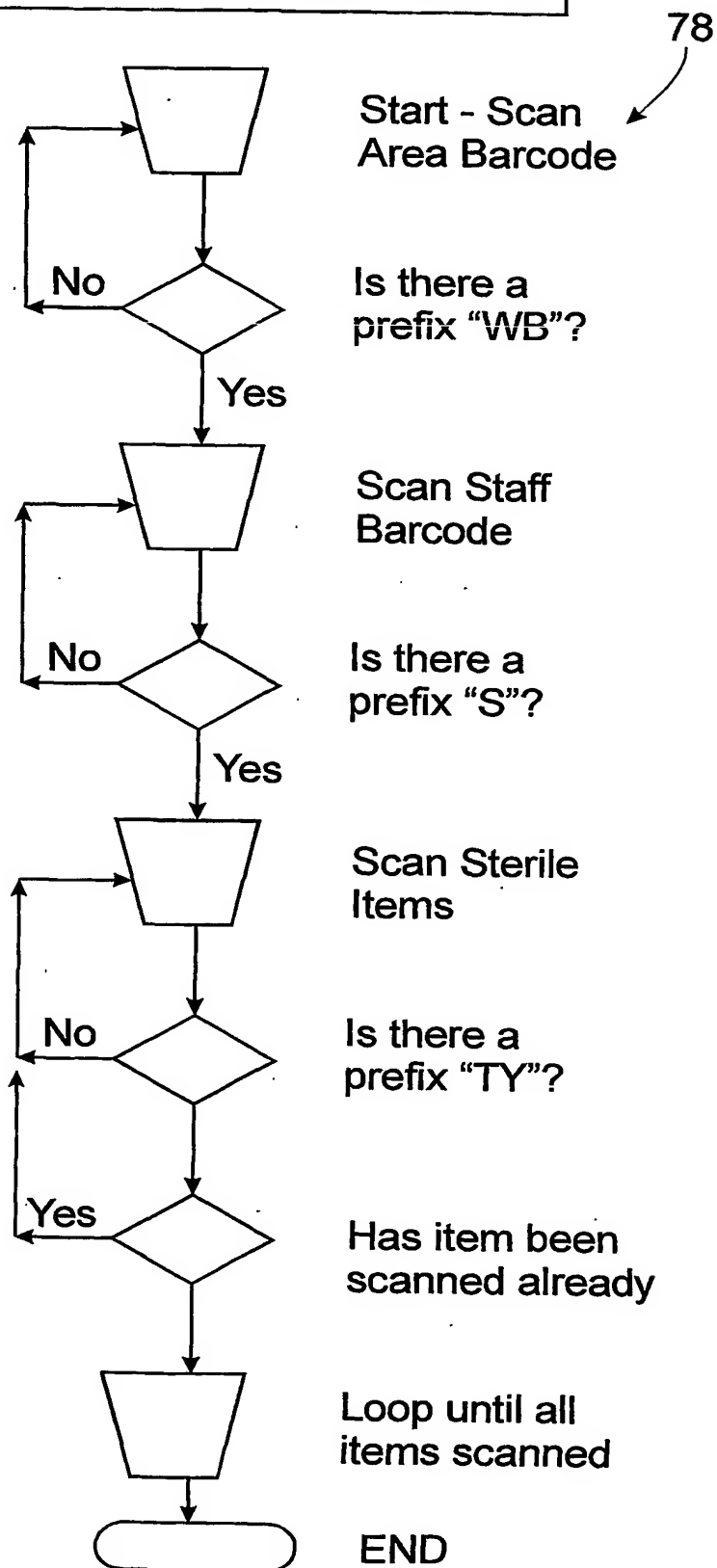


FIG. 3

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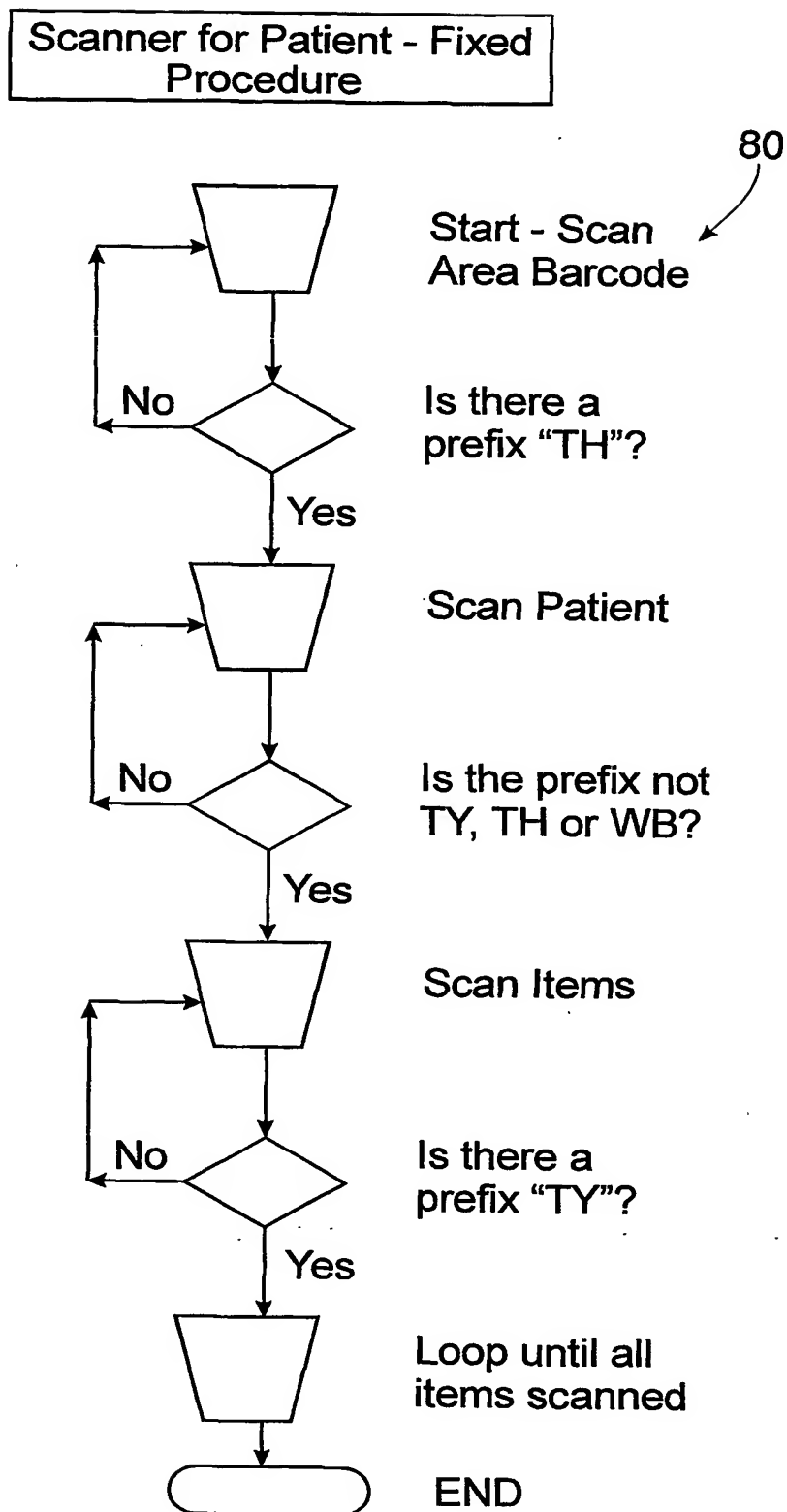


FIG. 4

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Sterilizing Scanner

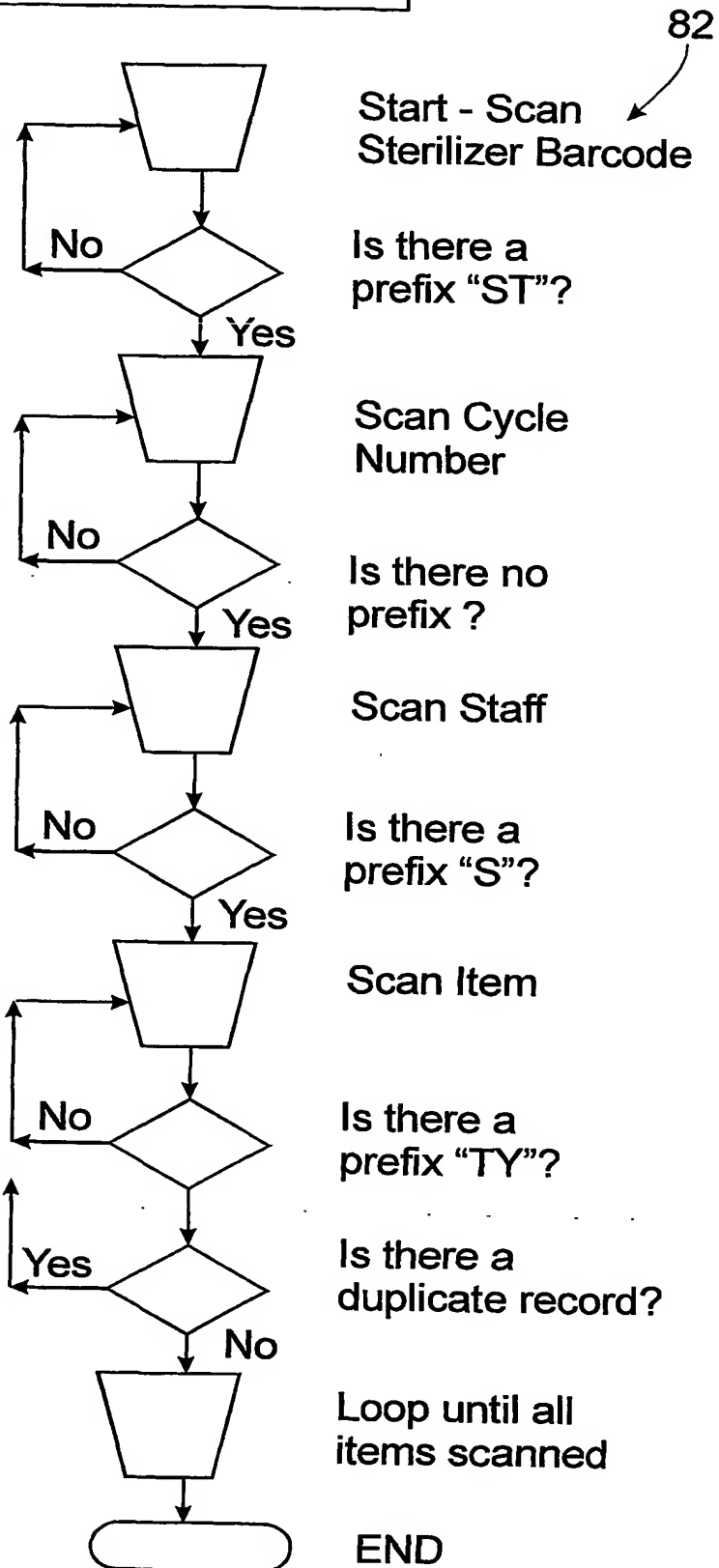


FIG. 5

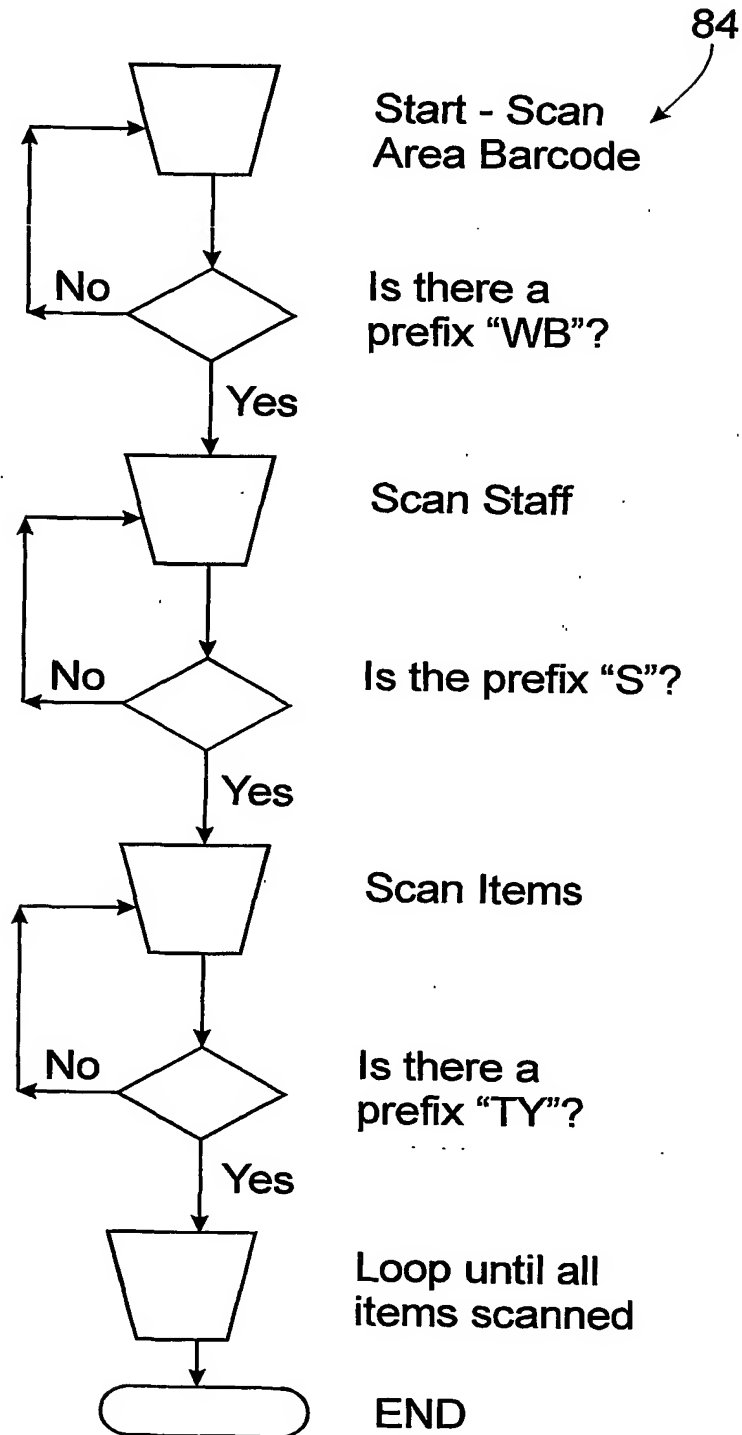
Scanner for Fixed Procedure

FIG. 6

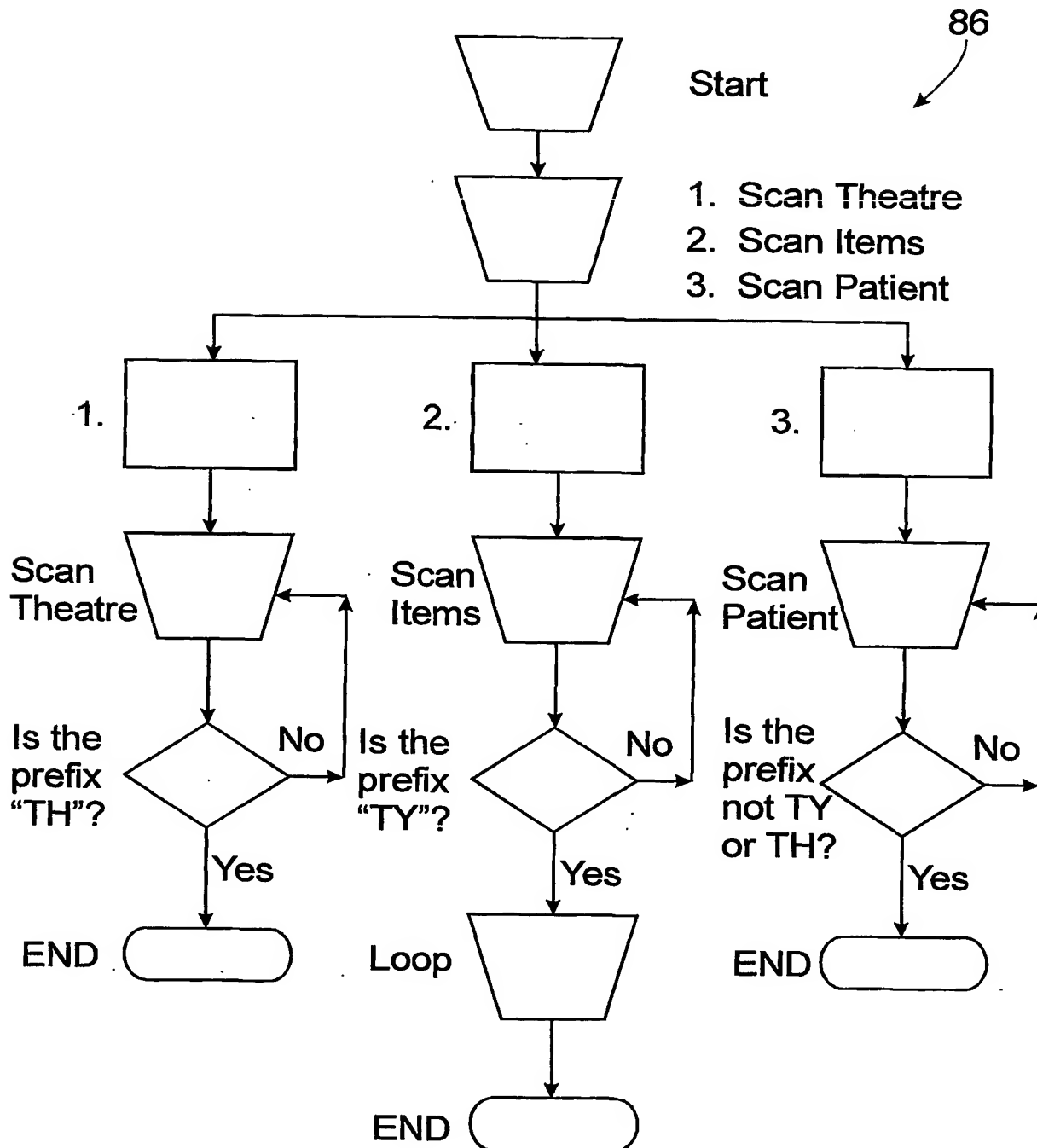
FLEXIBLE THEATRE PROCEDURE

FIG. 7

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THEATRE SCANNING PROCESS

SCANNING PROCEDURE	DATA GENERATED
Scan Theatre	TH1
Scan Patient	12345
Scan Operation Start Time	OPSTART
Scan Assets	AS12345
Scan Staff	S1
Scan Prosthetic	PR1
Scan Procedure	OP1
Scan Sterile Items	TY12346, TY12345, ...
Scan Operation Finish Time	OPFINISH

Write to delimited
text file

94

TH1, 12345, OPSTART, AS12345, 0131, 0822
 TH1, 12345, 1, OPSTART, S1, 0131, 0822
 TH1, 12345, 1, OPSTART, PR1, 0131, 0822
 TH1, 12345, 1, OPSTART, OP1, 0131, 0822
 TH1, 12345, 1, OPSTART, TY12346, 0131, 0822
 TH1, 12345, 1, OPSTART, TY12345, 0131, 0822
 TH1, 12345, 1, OPSTART, 12345, 0131, 0822
 TH1, 12345, 1, OPSTART, OPFINISH, 0131, 1045

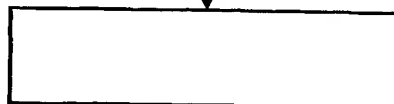
Import into
intermediate
imported data file

FIG. 8

9 / 32

90

INTERMEDIATE IMPORTED DATA TABLE

	96.1	96.2	96.3	96.4	96.5
	Location ID	Patient ID	Operation ID	General	Date & Time
98.1					
98.2	TH1	12345	NULL	PR1	31/01/03; 08:22:00
98.3	TH1	12345	NULL	TY12346	
98.4				TY12345	
98.5				GRP6	
98.6					

FIG. 9A

Process intermediate imported data table

If Prefix = GRP

Look up table
of Groups

Select all items with
Group 6 code

Append to
"tblGroupshold"

Append data
to import

Loop for
quantities

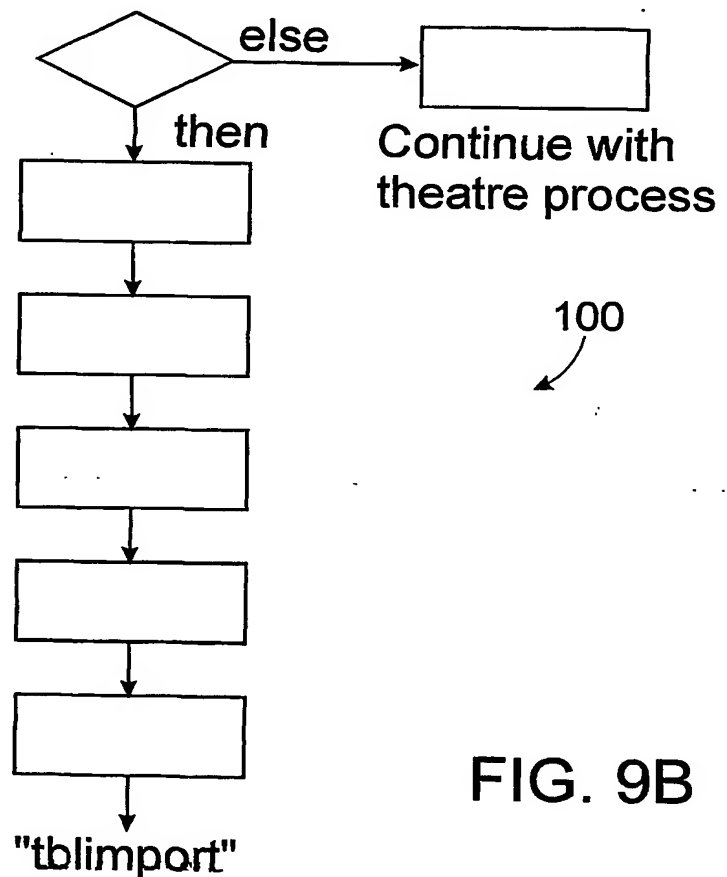


FIG. 9B

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IMPORTED DATA TABLE

102

Location ID	Patient ID	Operation ID	General	Date & Time
TH1	12345	NULL	PR1	31/01/03 08.22.00
"	"	"	TY12346	"
"	"	"	TY12345	"
"	"	OP1	AS3	"
"	"	OP1	57	"
"	"	OP1	S6	"
"	"	OP1	AS4	"
"	"	OP1	143	"
"	"	OP1	DR1	"
"	"	OP1	OPSTART	31/01/03 08.22.00
"	"	OP1	OPFINISH	31/01/03 08.45.23

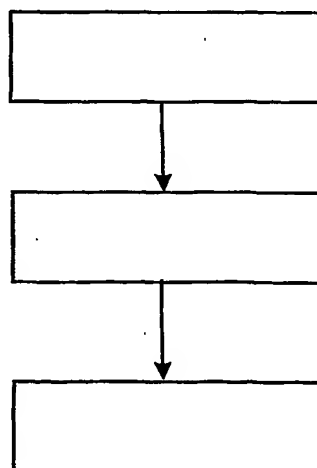
FIG. 10A

Process imported data table

Perform lookup and
adjust counts and
amounts

Write to "save" tables
- for Theatre Process

Generate reports



104

FIG. 10B

11 / 32

Process imported data table

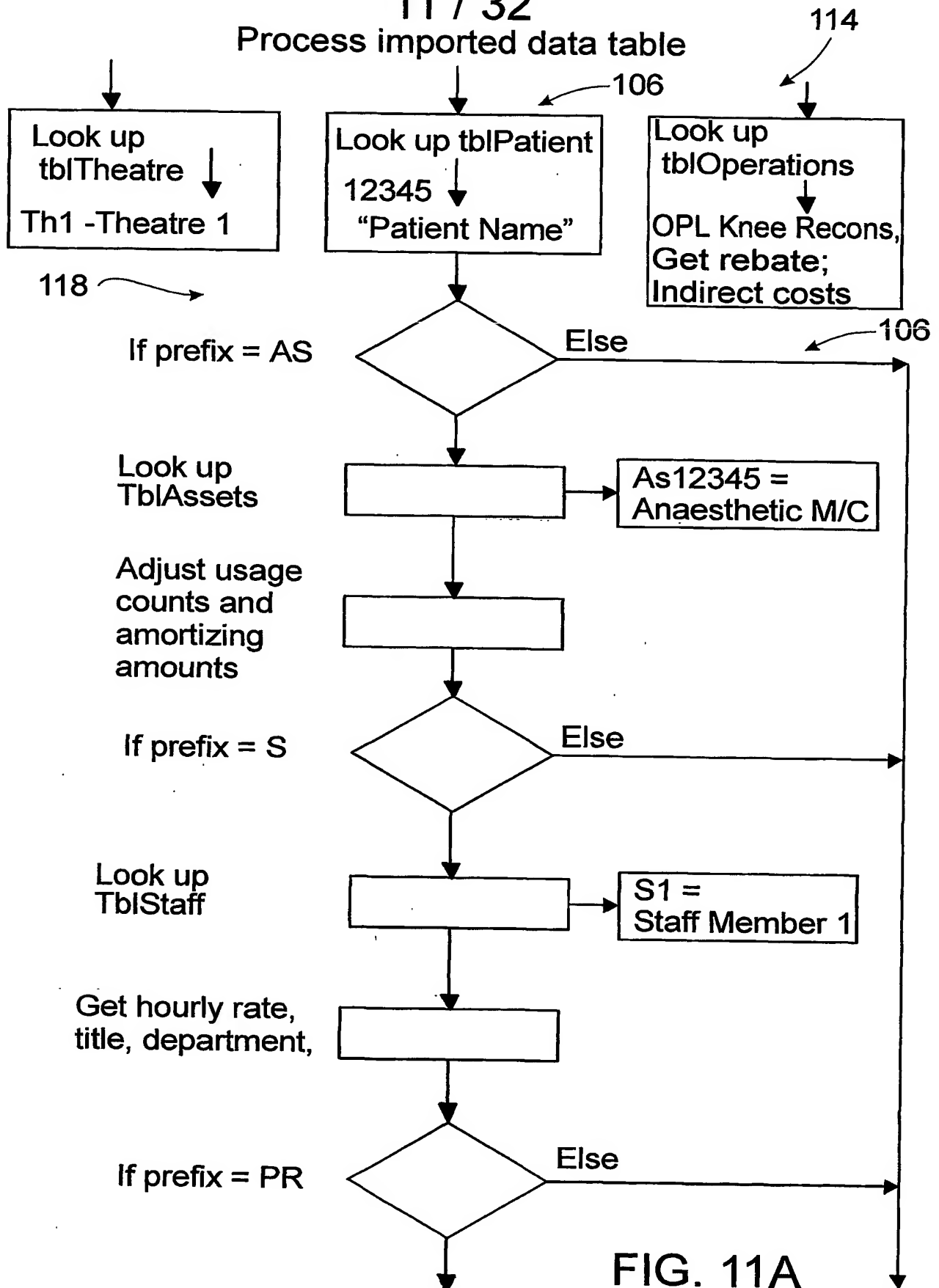
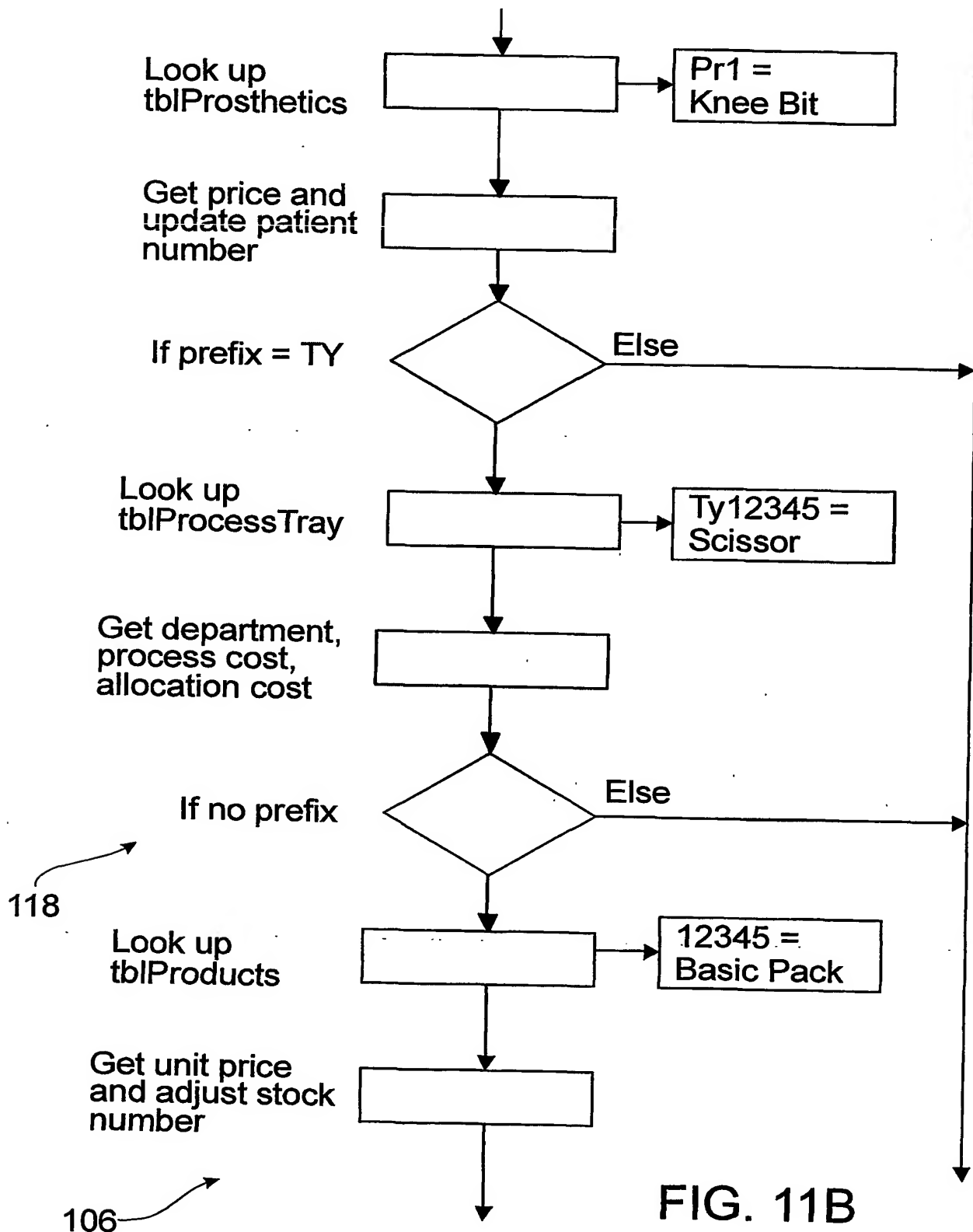


FIG. 11A

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Process imported data table (continued)



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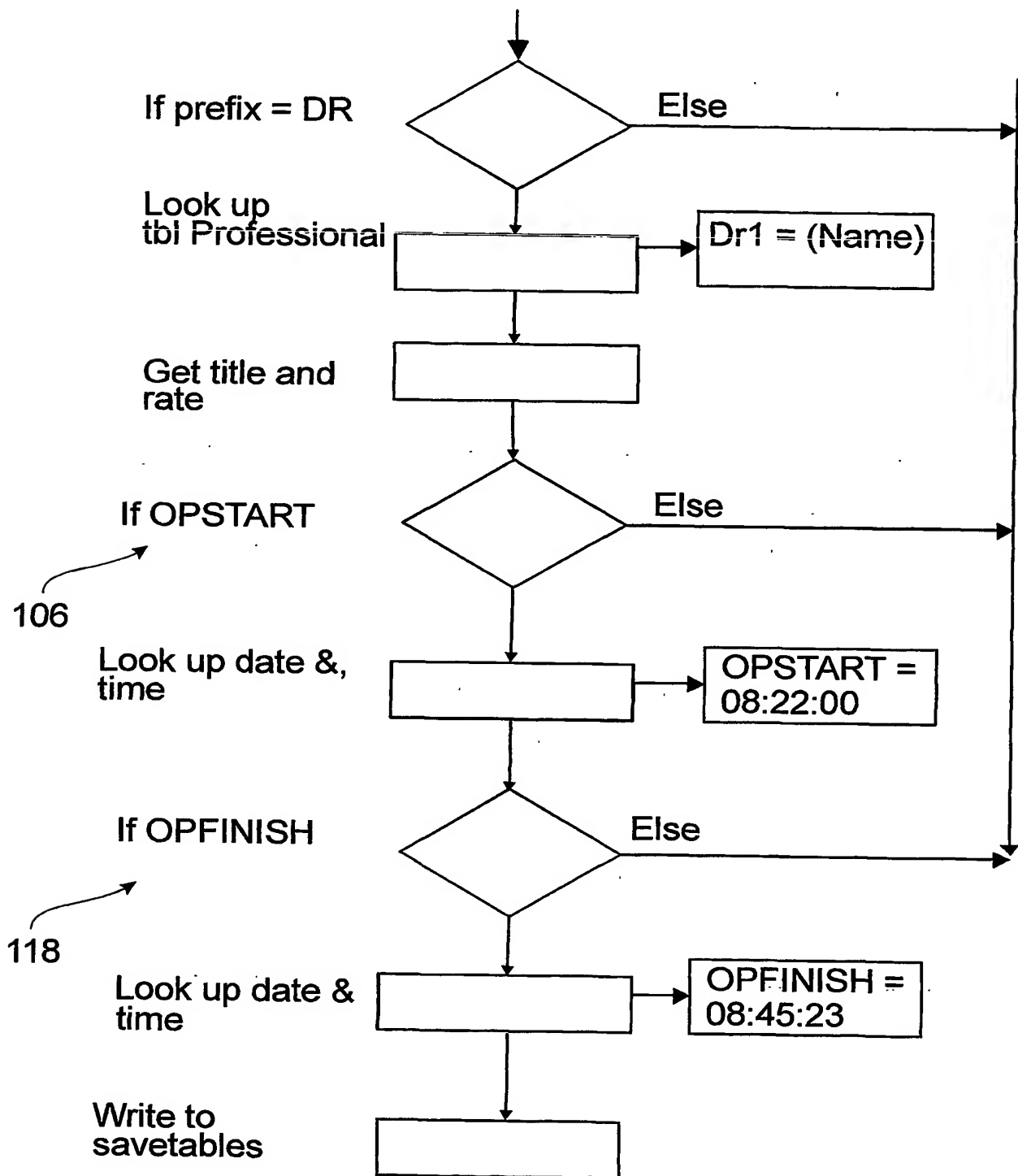
Process imported data table (continued)

FIG. 11C

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Process imported data table (continued)

112 →

tblSave PatientDetails

Op Number	Location	Patient	General	Date Time	First Name	Surname	Theatre
1	TH1	12345	OPSTART	31/01/03 8:22:00			Theatre 1
2							

116 →

tblSave Operations**FIG. 12**

OpNumber	OpCode	OpName	Rebate	IndirectCost
1	OP1	Knee Recon		
2				

128 →

tblSave Assets**FIG. 13**

OpNumber	Code	Name	Allocation Cost	Amortizing Uses
1	AS12345	Anaesthetic M/C		27
2				

FIG. 14

124 →

tblSave ProcessTray

Op Number	Tray Number	Tray Name	Dept.	Process Cost	Allocation Cost
1	TY12345	Scissor	Theatre		
1	TY12346	Forcep	Theatre		
...					
2					

FIG. 15

125 →

tblSave Professional

Op Number	Professional Code	Professional Name	Title	Rate
1	DRI	Surgeon	Mr	

FIG. 16

15 / 32

Process imported data table (continued)

126

tblSaveProducts

OpNumber	Product No.	Name	Serial No.	Unit Price
1	12345	Basic Pack	HIT0432	
...				
2				

122

tblSaveProsthetics

FIG. 17

OpNumber	Barcode	Description	Cost
1	PR1	Knee B,L	
2			

120

tblSaveStaff

FIG. 18

Op Number	Staff Code	First Name	Surname	Title	Dept.	Rate
1	S1			Nurse	Theatre	
2						

Calculate duration from
tblSavePatients

Calculate staff cost based on
duration from
tblSaveStaff

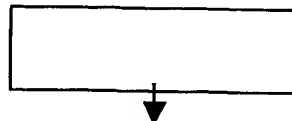


FIG. 19

130

FIG. 20

132

tblSaveTotals

Op No	Start	Fin.	Dur.	Staff	Ins.	Pros	Ass.	Reb.	I/C	Cons
1										
2										

FIG. 21

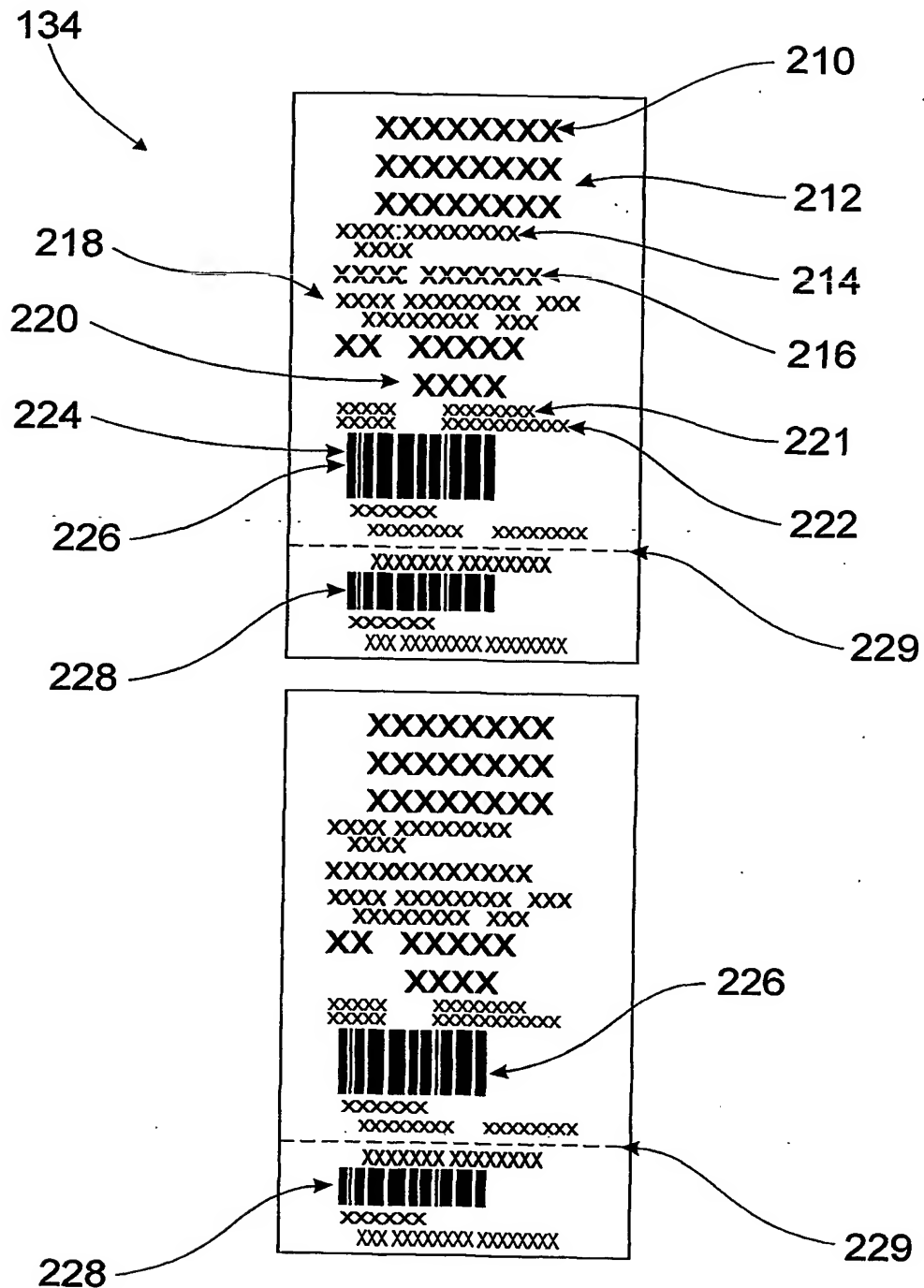


Fig. 22

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Instrument Details

xxxx xxxxx xx xx xxxxxxxxxxxx

xxxxxxxxxx	00270
xxxxxxxxxx	
xxxxxxxxxx	xxxxxx xxx
xxxxxxxxxx	
xxxxxxxxxx	00151
xxxxxxxxxx	
xxxxxxxxxx	1
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	
xxxxxxxxxx	

xxxxxxxxxx xxxxxxxxxxxx xxxxxxxxxxxx

138 136

Fig. 23

Create Staff Barcode

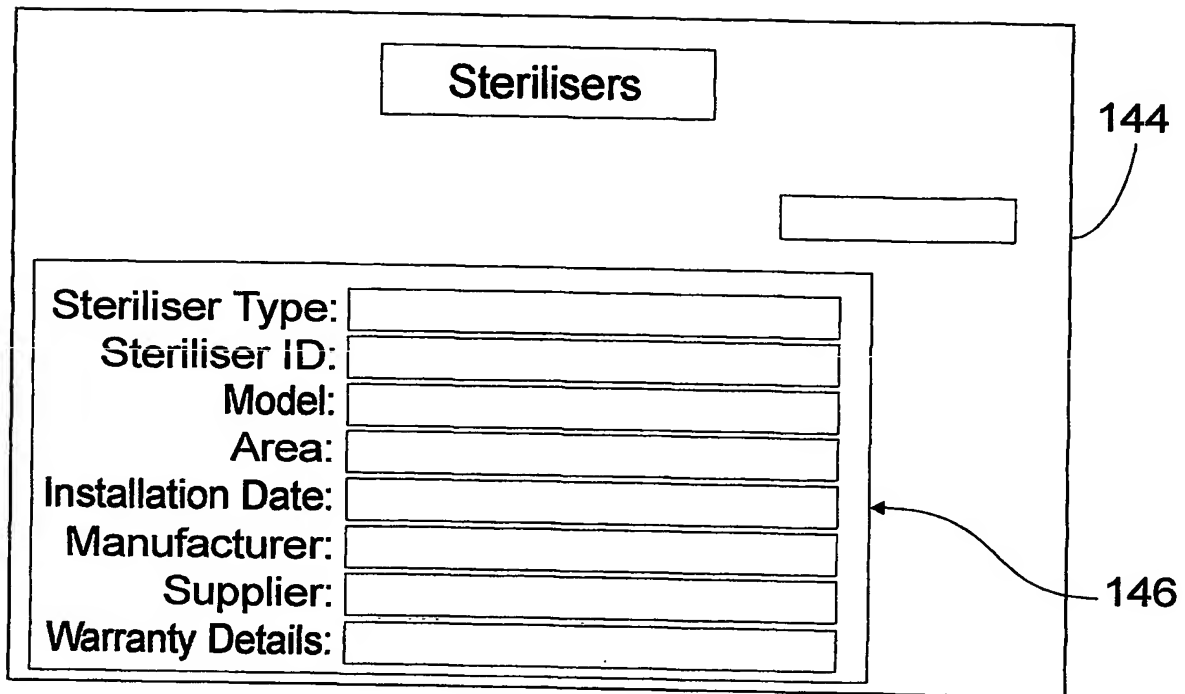
Staff ID:

Surname:	License
First Name:	Number
Hospital Staff No:	
Title:	
Hourly Rate:	
Area:	
Issue Date:	22/01/2003 4:30:12 PM

140 142

Fig. 24

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Sterilisers

144

146

Steriliser Type:

Steriliser ID:

Model:

Area:

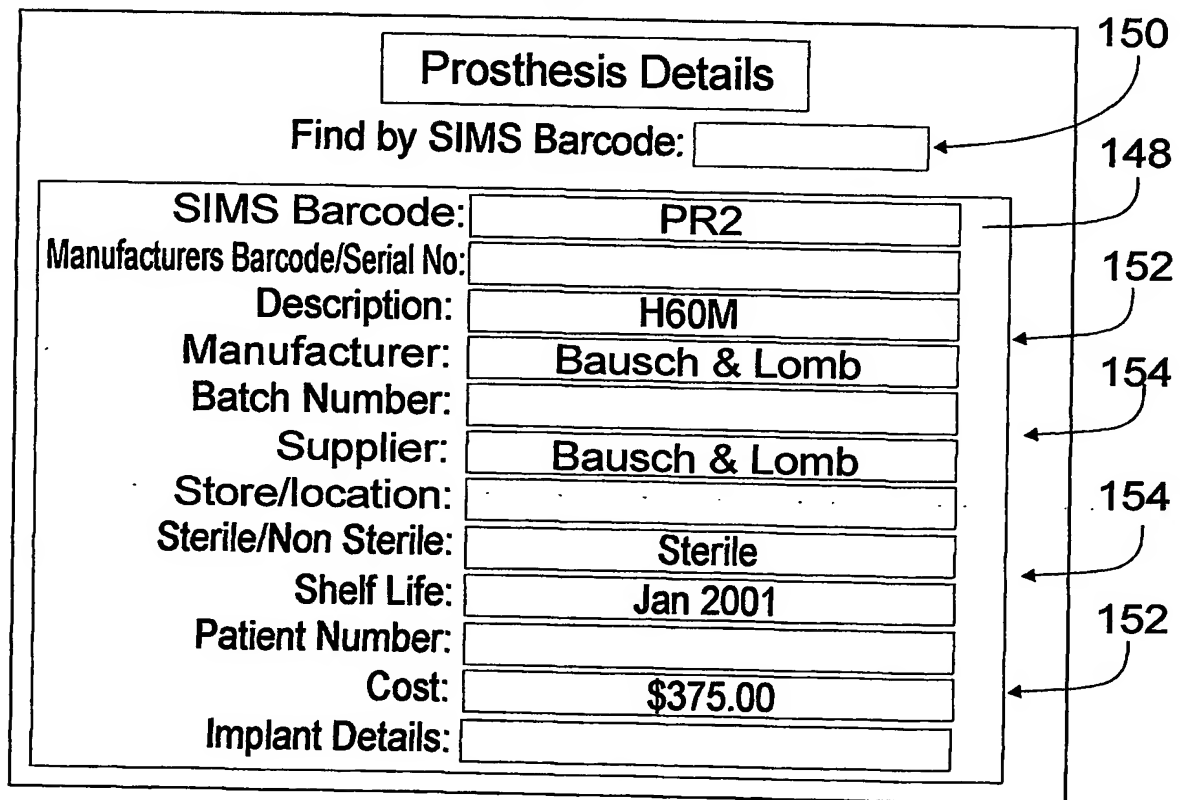
Installation Date:

Manufacturer:

Supplier:

Warranty Details:

Fig. 25



Prosthesis Details

150

Find by SIMS Barcode: 148

SIMS Barcode: 152

Manufacturers Barcode/Serial No:

Description: 154

Manufacturer: 154

Batch Number:

Supplier: 154

Store/location:

Sterile/Non Sterile: 152

Shelf Life: 152

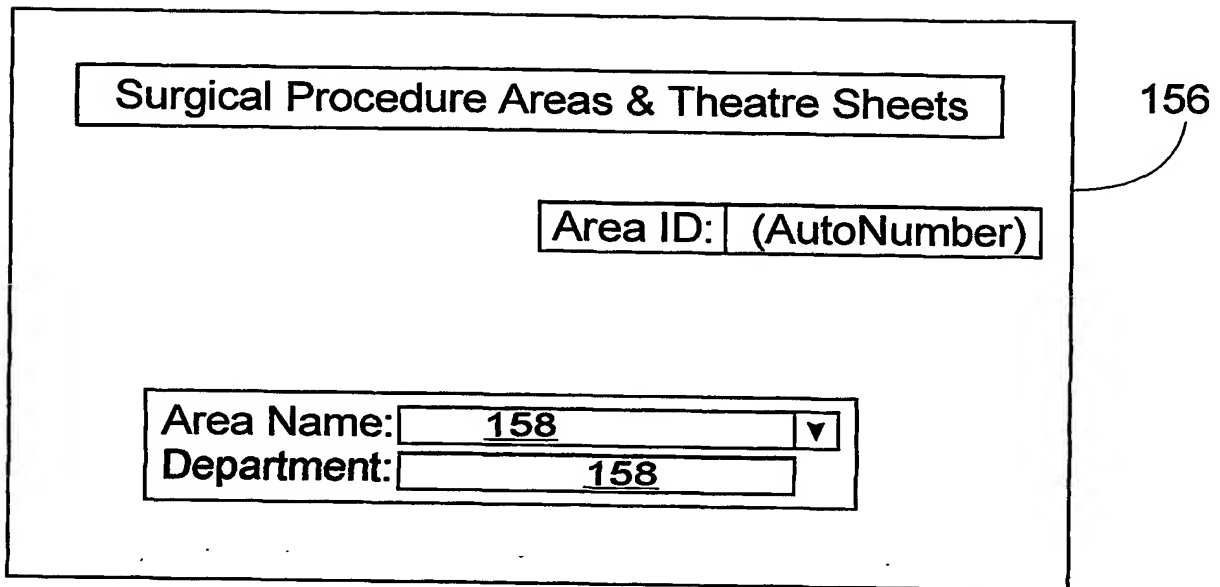
Patient Number:

Cost: 152

Implant Details:

Fig. 26

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156

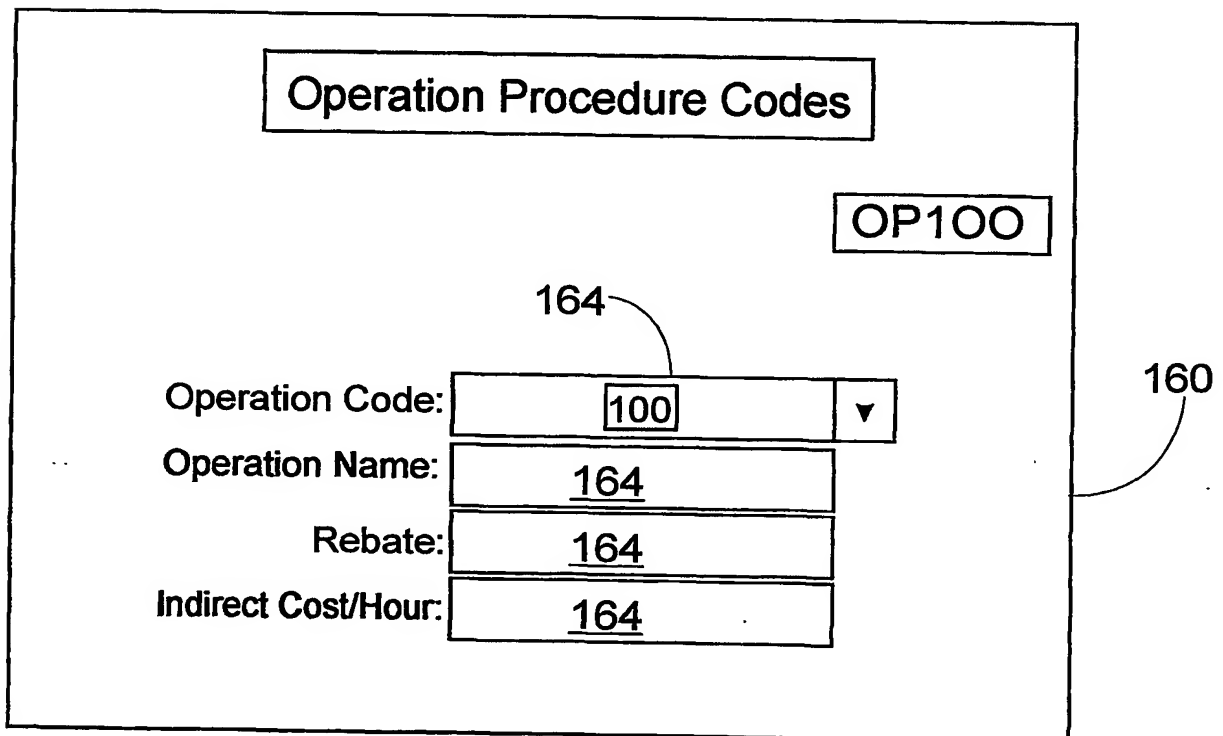
Surgical Procedure Areas & Theatre Sheets

Area ID: (AutoNumber)

Area Name: 158 ▼

Department: 158

FIG. 27



164

160

Operation Procedure Codes

OP100

Operation Code: 100 ▼

Operation Name: 164

Rebate: 164

Indirect Cost/Hour: 164

FIG. 28

20 / 32

Patients

001116

166

Patient ID: ▼

First Name:

Surname:

165

FIG. 29

ASSET DETAILS

Find asset by barcode:

Asset ID:	
Equipment Name:	Star Printer - Extrema autoclave
Model Number:	SP200
Order Code:	
Serial Number:	S701300200061
Part Name:	
Dept/Area:	Theatre
Purchase Date:	20/08/2001
Price:	
Allocation Cost:	
Manufacturer:	Mocom
Supplier:	SESS
Warranty Details:	1 YEAR
Service Priority:	
Authority Uses:	1000
Supplier Invoice #:	
Next Service Due:	
Comments:	

172

174

170

FIG. 30

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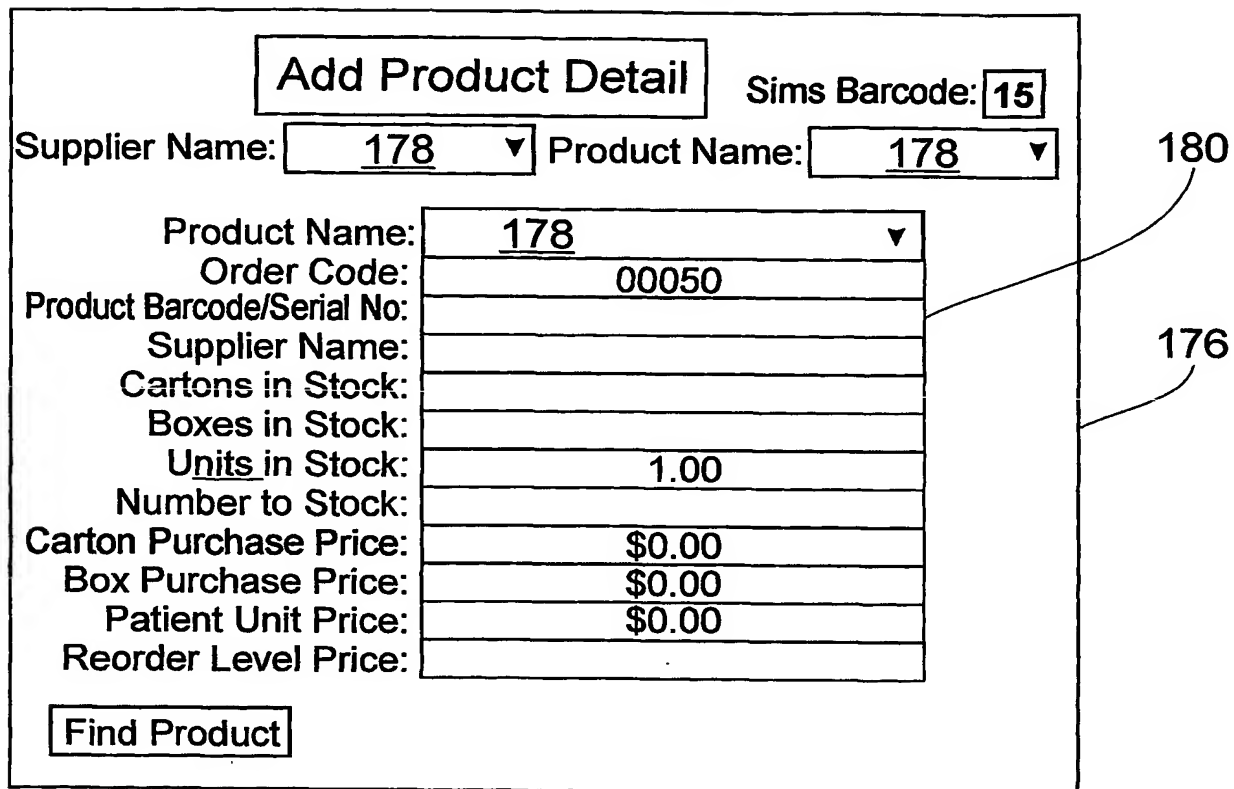


FIG. 31 is a screenshot of a software interface titled "Add Product Detail". At the top right, it says "Sims Barcode: 15". Below this, there are two dropdown menus: "Supplier Name: 178" and "Product Name: 178". To the right of these is a label "180". Below the dropdowns is a table with 10 rows and 2 columns. The first row is "Product Name: 178" with a dropdown arrow. The second row is "Order Code: 00050". The third row is "Product Barcode/Serial No:". The fourth row is "Supplier Name:". The fifth row is "Cartons in Stock:". The sixth row is "Boxes in Stock:". The seventh row is "Units in Stock: 1.00". The eighth row is "Number to Stock:". The ninth row is "Carton Purchase Price: \$0.00". The tenth row is "Box Purchase Price: \$0.00". The eleventh row is "Patient Unit Price: \$0.00". The twelfth row is "Reorder Level Price:". To the right of the table is a label "176". At the bottom left, there is a button labeled "Find Product".

Product Name:	178 ▼
Order Code:	00050
Product Barcode/Serial No:	
Supplier Name:	
Cartons in Stock:	
Boxes in Stock:	
Units in Stock:	1.00
Number to Stock:	
Carton Purchase Price:	\$0.00
Box Purchase Price:	\$0.00
Patient Unit Price:	\$0.00
Reorder Level Price:	

FIG. 31

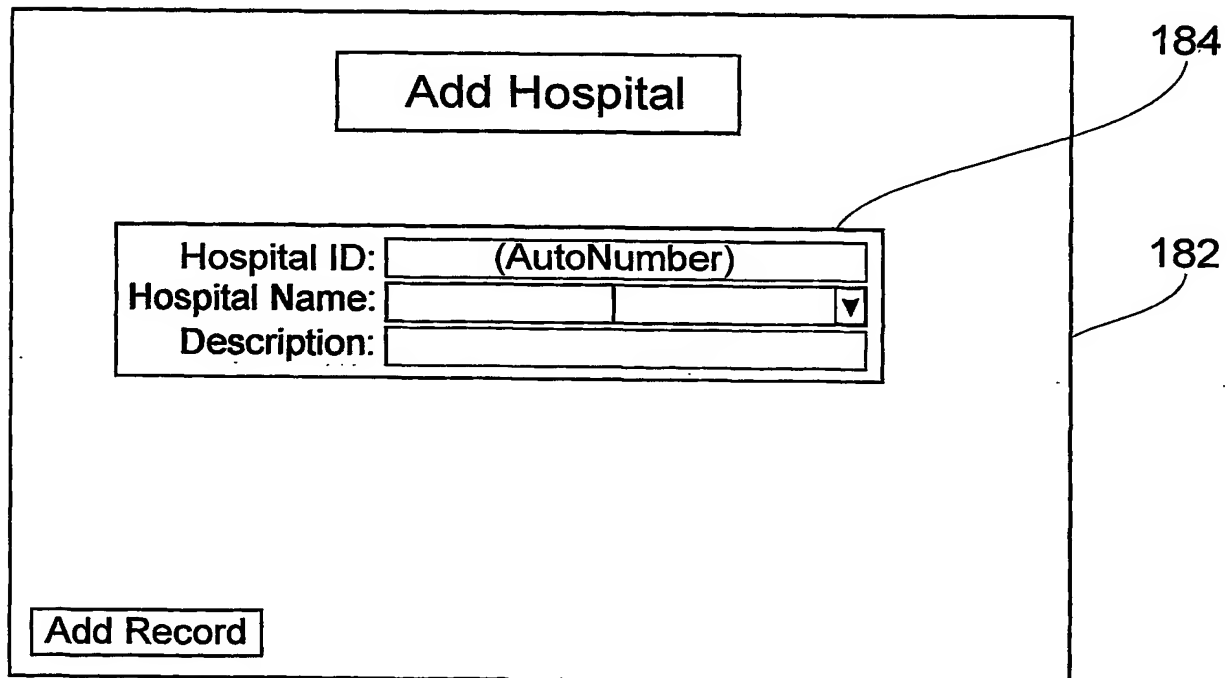


FIG. 32 is a screenshot of a software interface titled "Add Hospital". It contains a form with three fields: "Hospital ID: (AutoNumber)", "Hospital Name:" with a dropdown arrow, and "Description:". To the right of the form is a label "182". At the bottom left, there is a button labeled "Add Record".

Hospital ID:	(AutoNumber)
Hospital Name:	▼
Description:	

FIG. 32

22 / 32

Department Details

Department ID: (Auto Number)

Department Name:

Description:

Location:

Fig. 33

Department Details

Enter Hospital Name: Name Here:

Department: CSD Department Filter:

Default Expiry Date

☒ None
☐ 1 Month
☐ 2 Months
☐ 3 Months
☐ 4 Months
☐ 5 Months
☐ 6 Months

Label Printer Post

☐ Com 1
☒ Com 2
☐ Com 3
☐ Com 4

Scanner Port

☒ Com 1
☐ Com 2
☐ Com 3
☐ Com 4

Check Sheet Order

☒ Packing order
☐ Order By ID

Barcode Suffix
 Enter 2 Letters Max

Cycle Number Sheets

☐ Cycle No. Sheet (A)
☒ Cycle No. Sheet (B)

Scantab Style

☐ Double Scantab
☒ Single Scantab

Fig. 34

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Scanner Programming Utility

Program Name:

Theatre: V2.65 Multi Operation Data Collection Program
Endoscopy: V1.10 Endoscopic Procedure Collection Program
Wrap: V1.10 Singles/Wrap Data Collection Program
Sterilizer: V1.90 Multi 5.60CSSD Sterilizer Data Collection Program
Sterile Transfer: Transfer Sterile Item to different department

196

FIG. 35

Preparation

(Auto Number)

Area Name:

Department:

198

FIG. 36

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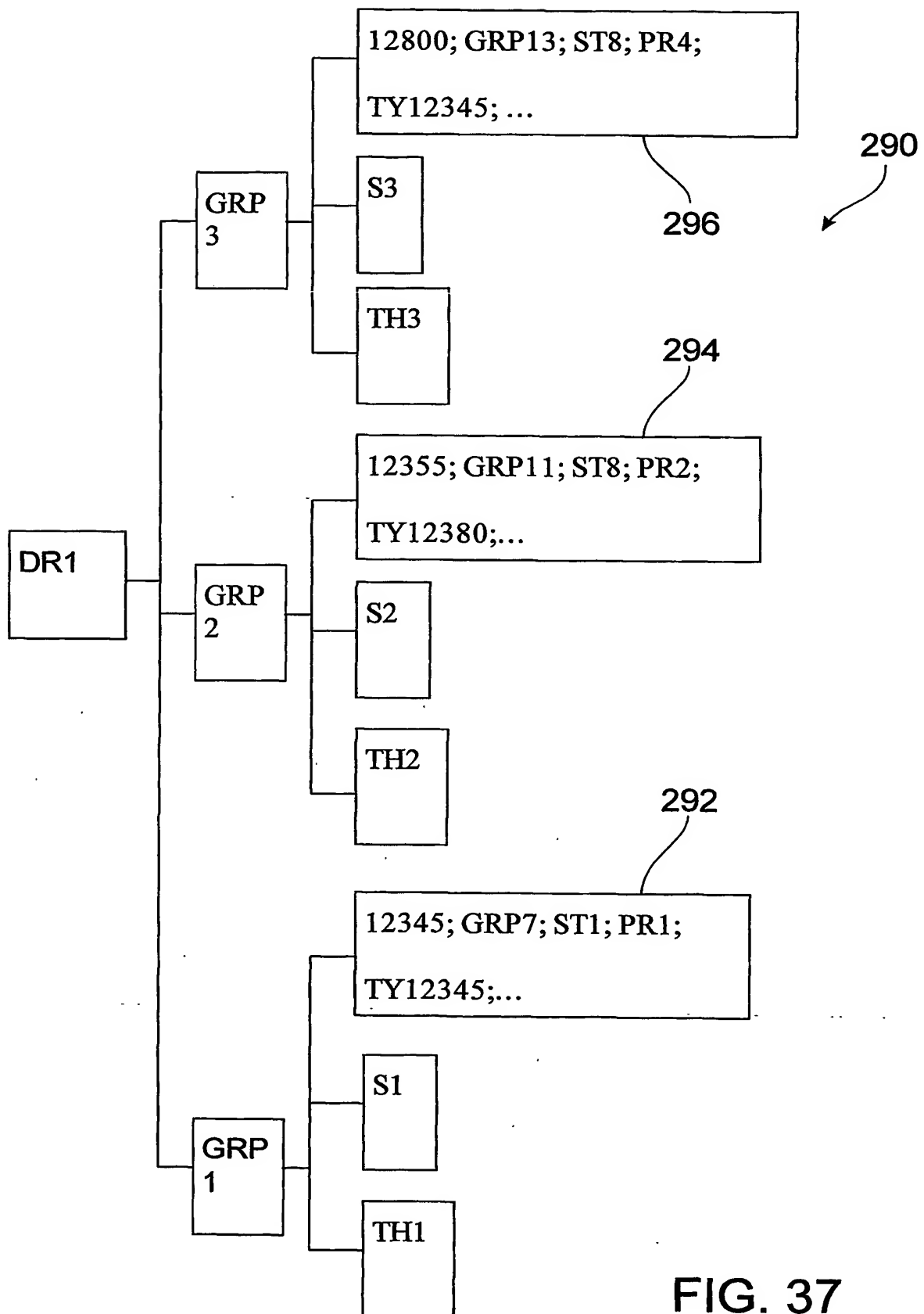


FIG. 37

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GROUP SCANNING PROCEDURE

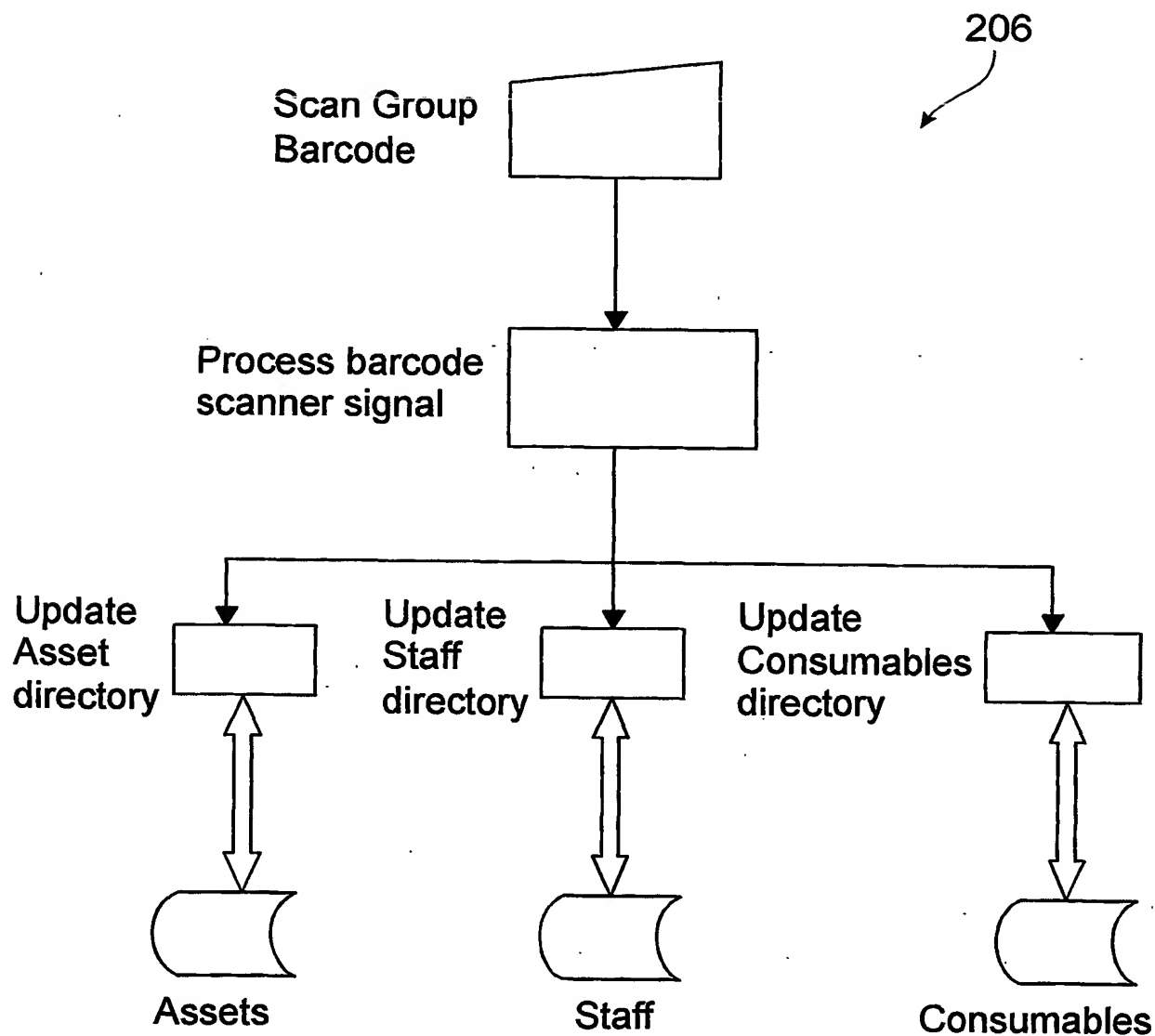


FIG. 38

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DETAILS OF MEDICAL PRACTITIONER



GRP6

204

202

Quantity	Item Name	Item Code
1	Emulsifier	AS3
1	Local Anaesthetic	57
1	Anaesthetic Machine	AS1
1	Staff Member 1	S5
1	Staff Member 2	S6
1	Balance Salt Solution 500 ml	459
1	Staff Member 3	S56
1	Betadine Antiseptic Solution	418
1	Eye Prod Oxybuprocaine Benoxinate 0.4%	86
1	Gloves Derma Prene Size 7	683
2	Injection Syringes 1ml Bare T/D Terumo	119
1	Injection Syringes 2ml Bare Slip Terumo	120
1	Staff Member 4	S20
1	Maxvac Basic Cat Pack	473
1	Microthins 6-1/2	223
1	Moller Wedel Microscope	AS4
1	Overshoe Cover Non-slip Elastic Blue 50 p/box	133
1	Soft fit Bouffant Cap Regular Celebration Print	288
1	Tape Hypoallergenic Micropore 25mm X 9.1mm	152

FIG. 39

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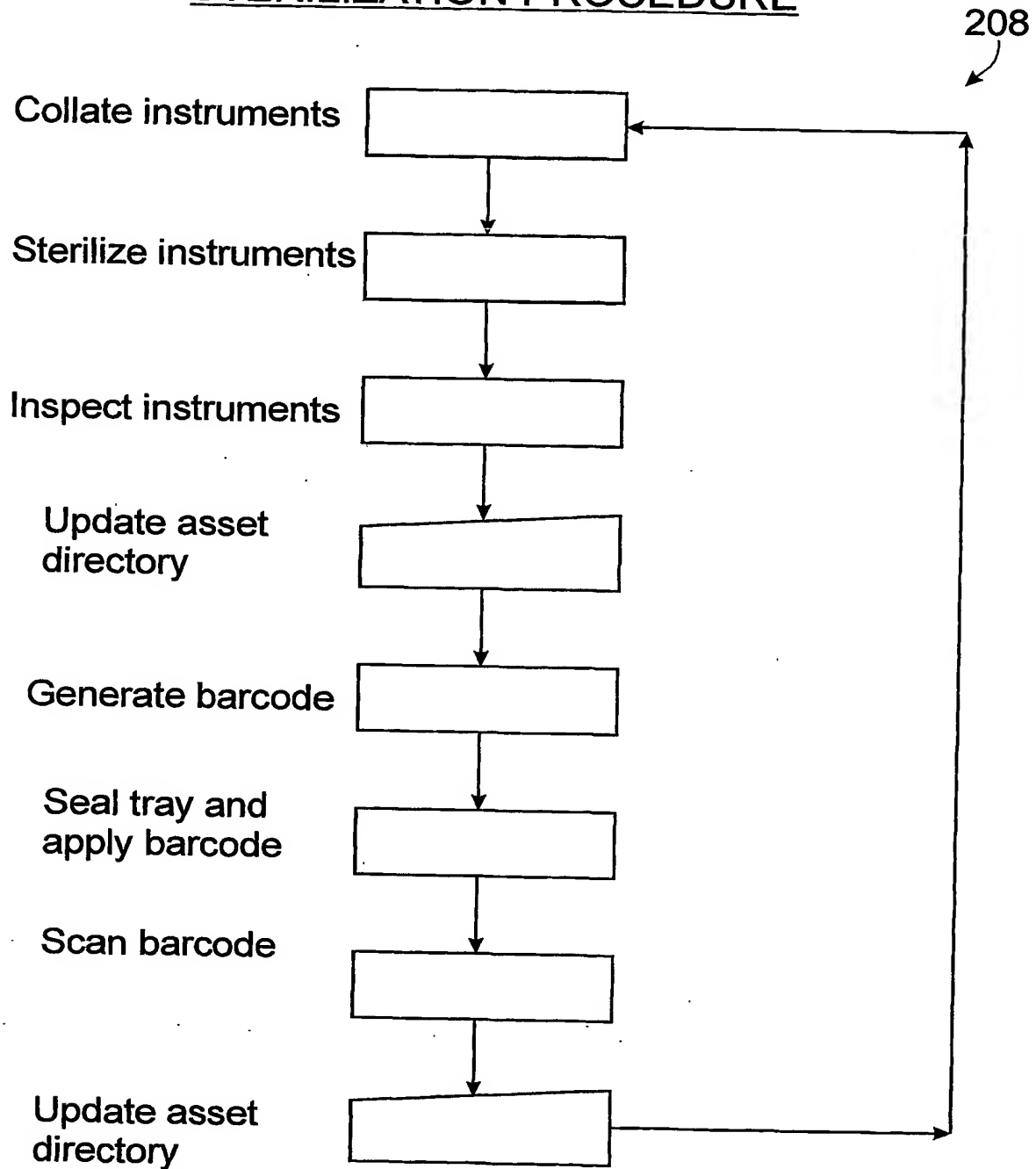
STERILIZATION PROCEDURE

FIG. 40

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EXAMPLEHOSP1 - Check Sheet

21/01/2003 13:09:26

Tray Name: GENERAL 1

TY318260

Item	Subs	ID	Instrument Name	S	1	2	3	4	5
1		00021	Retractor Mathieus						
2		00022	Retractor Mathieus						
3		00057	Scalpel Handle B P 4						
4		00058	Scalpel Handle B P 3						
5		00059	Scalpel Handle B P 4						
6		00010	Forcep Tissue Lanes Toothed Med						
7		00019	Forcep Tissue Lanes Toothed Small						
8		00055	Forcep Tissue Non Toothed Med						
9		00056	Forcep Tissue Non Toothed Small						
10		00024	Forcep Tissue Gillies Toothed						
11		00011	Forcep Tissue Beard Packing						
12		00060	Probe Listers Silver						
13		00049	Sponge Holder						
14		00017	Sponge Holder						
15		00012	Forcep Artery Rochester Pean						
16		00013	Forcep Artery Rochester Pean						
17		00014	Forcep Artery Rochester Pean						
18		00015	Forcep Artery Rochester Pean						
19		00025	Forcep Artery Rochester Pean						
20		00026	Forcep Artery Rochester Pean						
21		00028	Forcep Artery Rochester Pean						
22		04922	Forcep Artery Rochester Pean						
23		00050	Forcep Artery Rochester Pean						
24		00018	Forcep Artery Rochester Pean						
25		00034	Forcep Artery Criles Straight						
26		00039	Forcep Artery Criles Straight						
27		00030	Forcep Artery Criles Curved						
28		00031	Forcep Artery Criles Curved						
29		00032	Forcep Artery Criles Curved						
30		00033	Forcep Artery Criles Curved						
31		00035	Forcep Artery Criles Curved						
32		04052	Forcep Artery Criles Curved						
33		00045	Forcep Artery Criles Curved						
34		00047	Forcep Artery Criles Curved						
35		00042	Forcep Tissue Atlas						

FIG. 41A

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EXAMPLEHOSP1 - Check Sheet

21/01/2003 13:09:26

Tray Name: **GENERAL 1**

TY318260

Item	Subs	ID	Instrument Name	S	1	2	3	4	5
37		00044	Forcep Tissue Allis						
38		00009	Forcep Tissue Moynihan						
39		00037	Forcep Tissue Moynihan						
40		00048	Forcep Tissue Moynihan						
41		00053	Forcep Tissue Moynihan						
42		00038	Forcep Tissue Babcock						
43		00040	Forcep Tissue Babcock						
44		00041	Forcep Tissue Babcock						
45		02735	Forcep Tissue Babcock						
46		00004	Needle Holder Hagar 8in						
47		00027	Needle Holder Hagar 8in						
48		00036	Needle Holder Hagar 8in						
49		00020	Needle Holder Hagar 7in						
50		00054	Scissor Metzenbaum Curved 7in						
51		00006	Scissor Mayo Straight						
52		00051	Scissor Mayo Straight						
53		00003	Towel Clip sharp						
54		00005	Towel Clip sharp						
55		00007	Towel Clip sharp						
56		04053	Towel Clip sharp						
57		00052	Towel Clip sharp						
58		04054	Towel Clip sharp						
59		NIL01	Quiver						
60		00016	Suction Tube Pooles (2 parts)						

Comments:

SET UP: MEDIUM RECTANGLE TRAY
 CHECK LIST
 STEAM INDICATOR
 WRAP INNER TD2 PARCEL WRAP
 OUTER 100X100cm CREPE PAPER PARCEL WRAP

Date:					
Count:					
Signed:					

Sub Count:	0
Instrument Count:	59

FIG. 41B

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Patient Theatre Records

Patient: UR007283

Theatre: O.T. 1

Start: 22/11/2001 09:55:00 Finish:22/11/2001 10:15:00 Duration: 00:20:00

Staff:

Staff Code	Surname	Title	Cost
S10		RN	
S10		EN	
S10			
S10		RN	
S10			

Sterile Items:

Item Number	Item Name	Allocation Cost	Process Cost
TY29013		\$	\$
TY29012		\$	\$
TY29011		\$	\$
		\$	\$
			\$

Prosthetics:

Barcode	Description	Cost
PR3151	AR40 - 17.OD	\$ 0.00
		\$ 0.00

Equipment:

AMS Barcode	Equipment Name	Allocation Cost
AS1	Anaesthetic Machine	
AS3	Alcon Phaco Emulsifier	
AS4	Moller - Wedel Microscope	
		\$

Procedures:

ID	Procedure Name	Rebate	Indirect Cost
OP100	Phaco & IOL - Medibank	\$	\$
		\$	\$

FIG. 42A

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Patient Theatre Records

Patient: UR007283

Theatre: O.T. 1

Start: 22/11/2001 09:55:00 Finish: 22/11/2001 10:15:00 Duration: 00:20:00

Consumables:

ID	Consumable Name:	Cost
57	Anaes Local Xylocaine Plain 1% (50x5ml) S4	\$
86	Eye Prod Minims Oxybuprocaine Benoxinate 0.4% S4	\$
119	Injection Syringes 1ml Bare T/D Terumo	\$
119	Injection Syringes 1ml Bare T/D Terumo	\$
120	Injection Syringes 2ml Bare Slip Terumo	\$
133	Overshoe Cover Non-slip Elastic Blue 50 p/box	\$
152	Tape Hypoallergenic Micropore 25mm X 9.1mm	\$
223	Microthins 6-1/2	\$
288	Soft fit Bouffant Cap Regular Celebration Print	\$
298	Ansell Powderless Gloves Microthin Size 8	\$
418	Betadine Antiseptic Solution (Brown BT)	\$
459	Balance Salt Solution 500 ml	\$
473	Maxvac Basic Cat Pack	\$
616	Gentamycin 80mg/2ml	\$
617	Vancomycin vial 0.5mg	\$
		\$

Total Costs:	\$
Rebate:	\$
Profit Margin:	\$

FIG. 42B

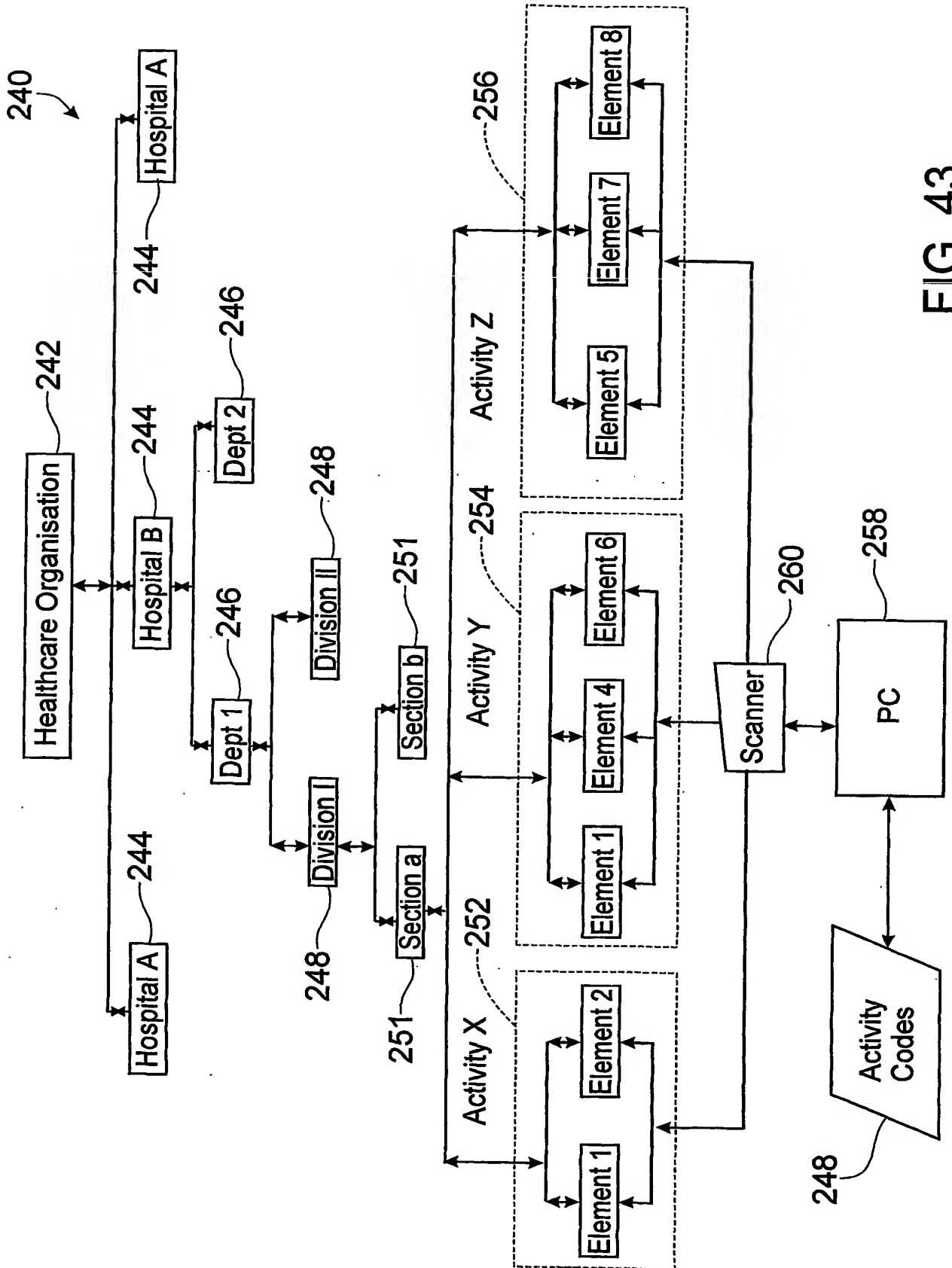


FIG. 43